FIG. 1

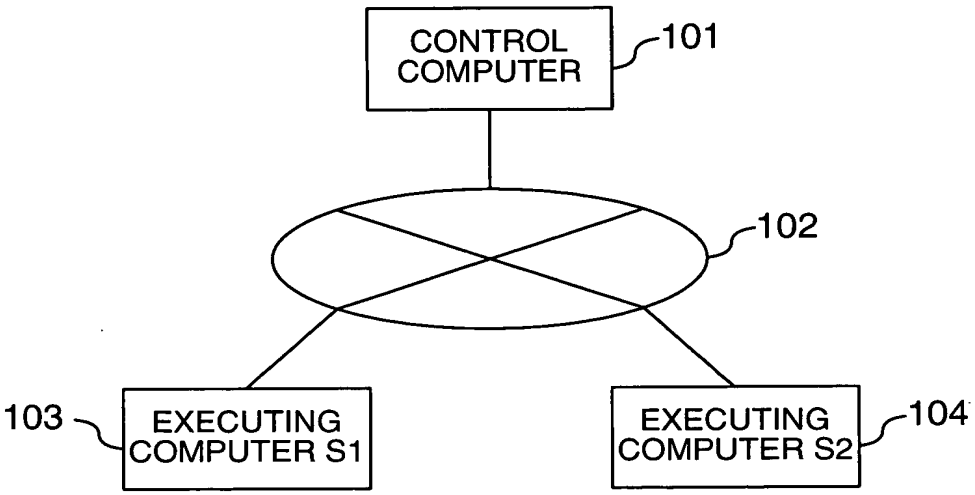


FIG. 2

	201 START TIME	202 EXECUTING COMPUTER
JOB A	12 : 00	S1
JOB B	12 : 05	S2
JOB C	12 : 10	S2

FIG. 3

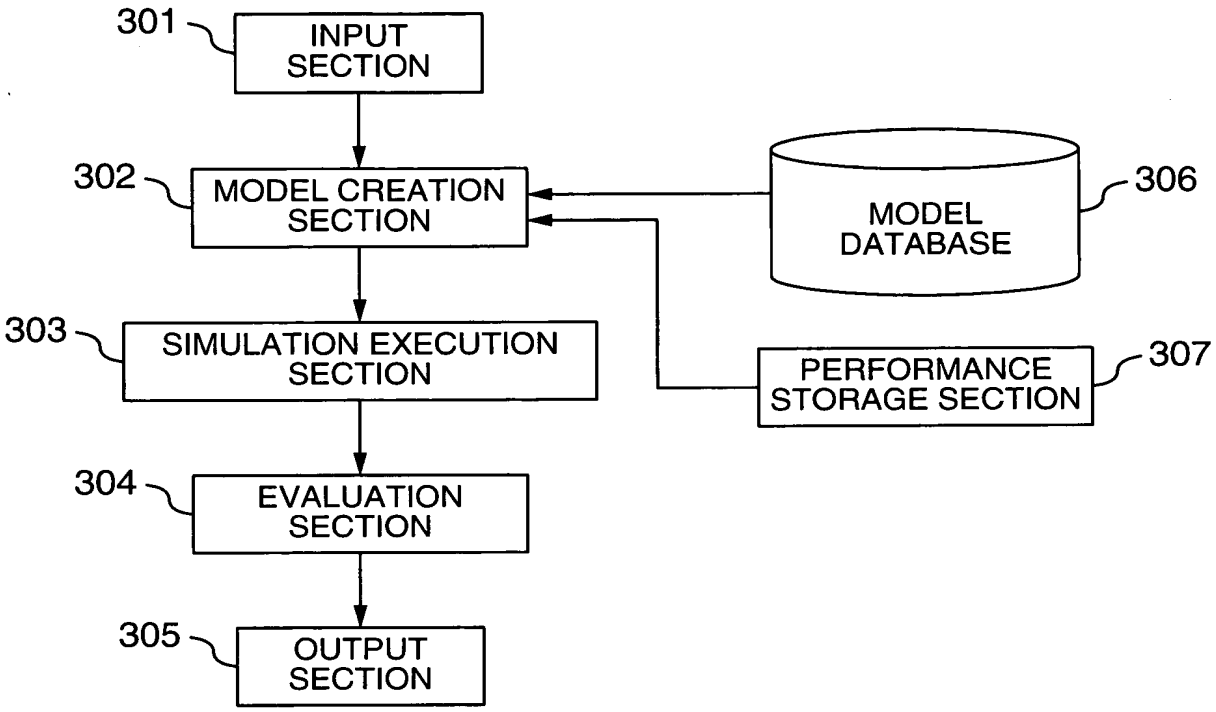


FIG. 4

401

	REQUIRED TIME
JOB A	5 MINUTES
JOB B	10 MINUTES
JOB C	15 MINUTES

FIG. 5

	START TIME (501)	EXECUTING COMPUTER (502)	REQUIRED TIME (503)	EVENT INTERVAL (504)
JOB A	12 : 00	S1	5 MINUTES	10 MILLI SECONDS
JOB B	12 : 05	S2	10 MINUTES	10 MILLI SECONDS
JOB C	12 : 10	S2	15 MINUTES	10 MILLI SECONDS

FIG. 6

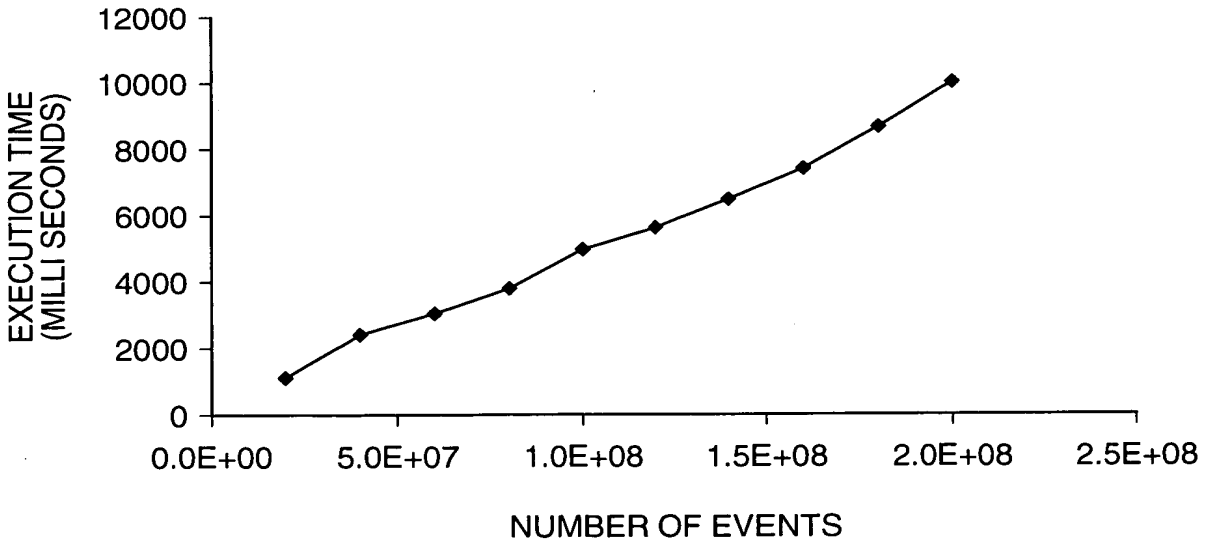


FIG. 7

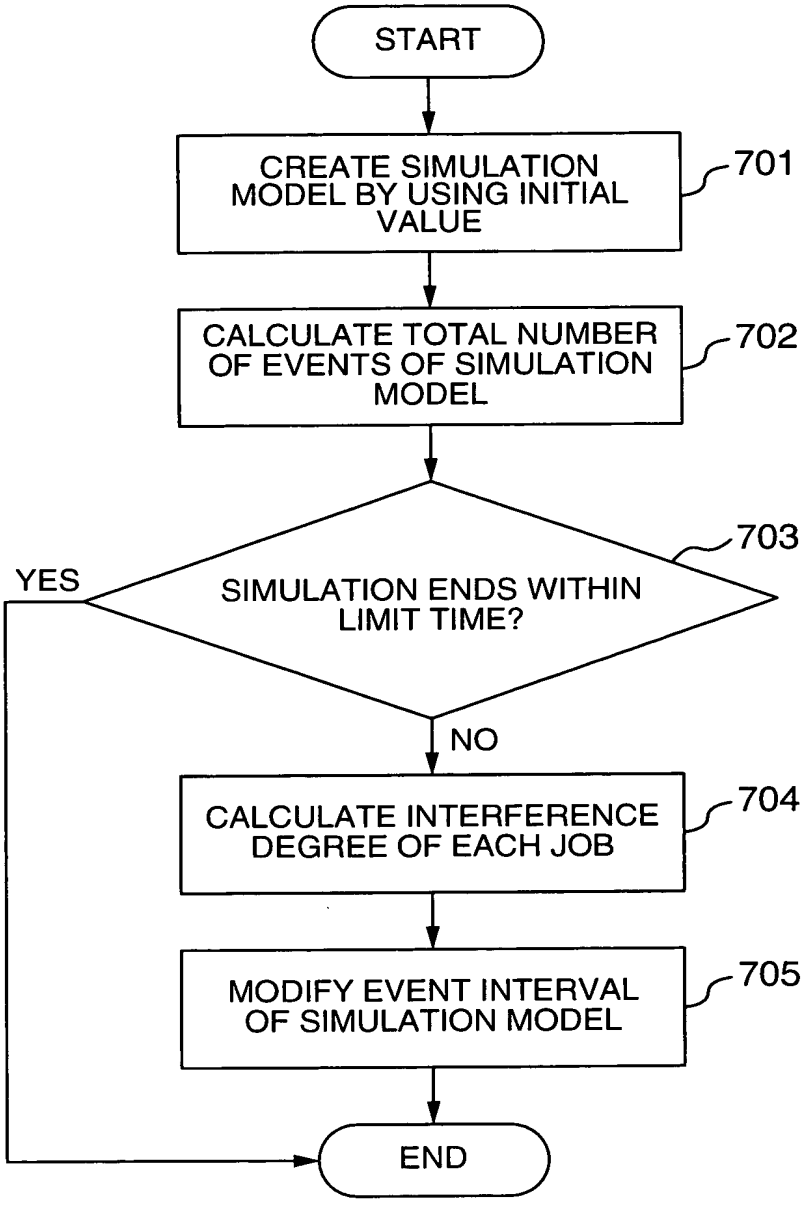

START
CREATE SIMULATION MODEL BY USING INITIAL VALUE
701
CALCULATE TOTAL NUMBER OF EVENTS OF SIMULATION MODEL
702
SIMULATION ENDS WITHIN LIMIT TIME?
703
YES
NO
CALCULATE INTERFERENCE DEGREE OF EACH JOB
704
MODIFY EVENT INTERVAL OF SIMULATION MODEL
705
END

FIG. 8

	START TIME (801)	EXECUTING COMPUTER (802)	REQUIRED TIME (803)	EVENT INTERVAL (804)
JOB A	12 : 00	S1	5 MINUTES	5 MINUTES
JOB B	12 : 05	S2	10 MINUTES	12.5 MILLI SECONDS
JOB C	12 : 10	S2	15 MINUTES	12.5 MILLI SECONDS

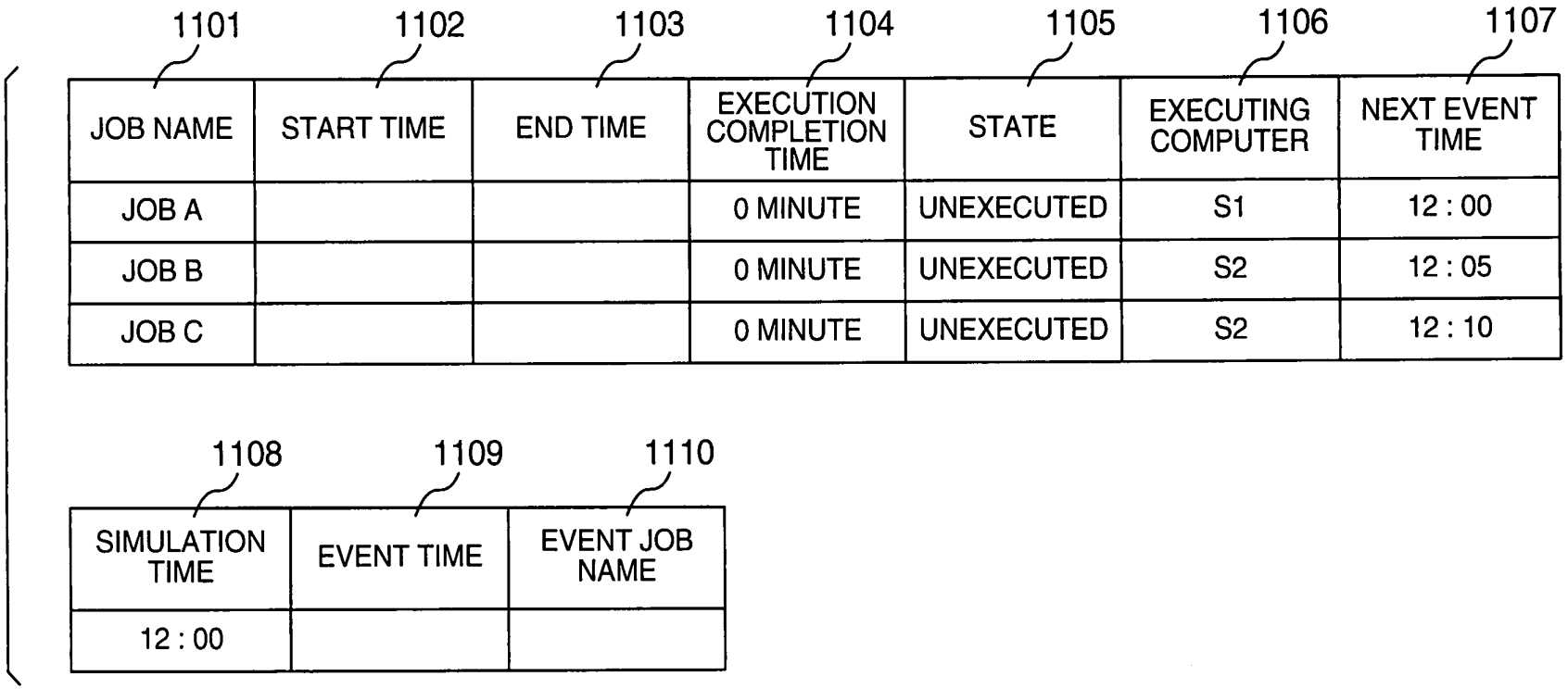
FIG. 9

	START TIME (901)	EXECUTING COMPUTER (902)	REQUIRED TIME (903)	EVENT INTERVAL (904)
JOB A	12 : 00	S1	5 MINUTES	15 MILLI SECONDS
JOB B	12 : 05	S2	10 MINUTES	15 MILLI SECONDS
JOB C	12 : 10	S2	15 MINUTES	15 MILLI SECONDS

FIG. 10

	ERROR (1001)
INTERFERENCE DEGREE USED	2.5 MILLI SECONDS
NO INTERFERENCE DEGREE USED	5 MILLI SECONDS

FIG. 11



1101 JOB NAME	1102 START TIME	1103 END TIME	1104 EXECUTION COMPLETION TIME	1105 STATE	1106 EXECUTING COMPUTER	1107 NEXT EVENT TIME
JOB A			0 MINUTE	UNEXECUTED	S1	12 : 00
JOB B			0 MINUTE	UNEXECUTED	S2	12 : 05
JOB C			0 MINUTE	UNEXECUTED	S2	12 : 10

1108 SIMULATION TIME	1109 EVENT TIME	1110 EVENT JOB NAME
12 : 00		

FIG. 12

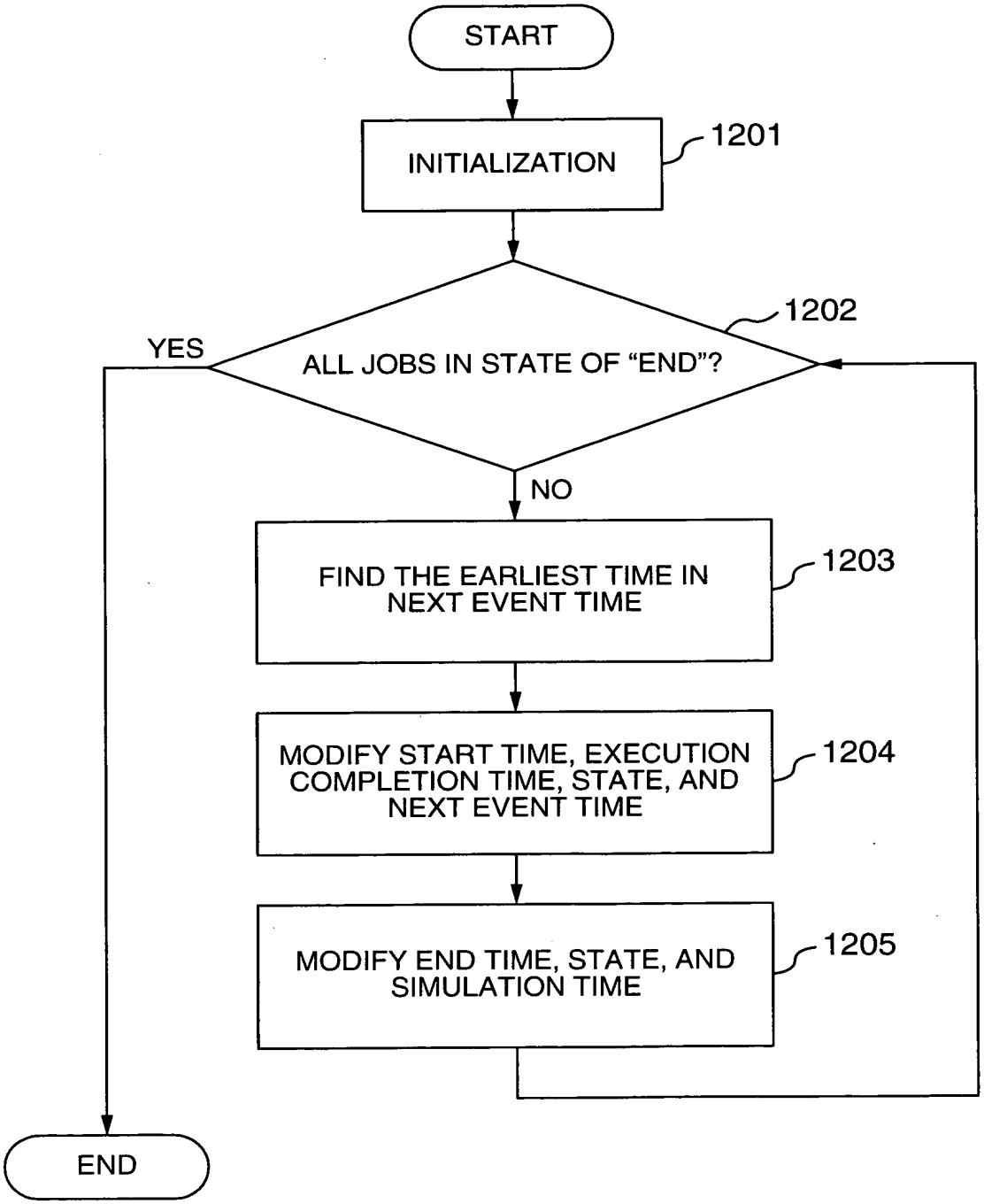

START
INITIALIZATION
1201
ALL JOBS IN STATE OF "END"?
1202
YES
NO
FIND THE EARLIEST TIME IN NEXT EVENT TIME
1203
MODIFY START TIME, EXECUTION COMPLETION TIME, STATE, AND NEXT EVENT TIME
1204
MODIFY END TIME, STATE, AND SIMULATION TIME
1205
END

FIG. 13

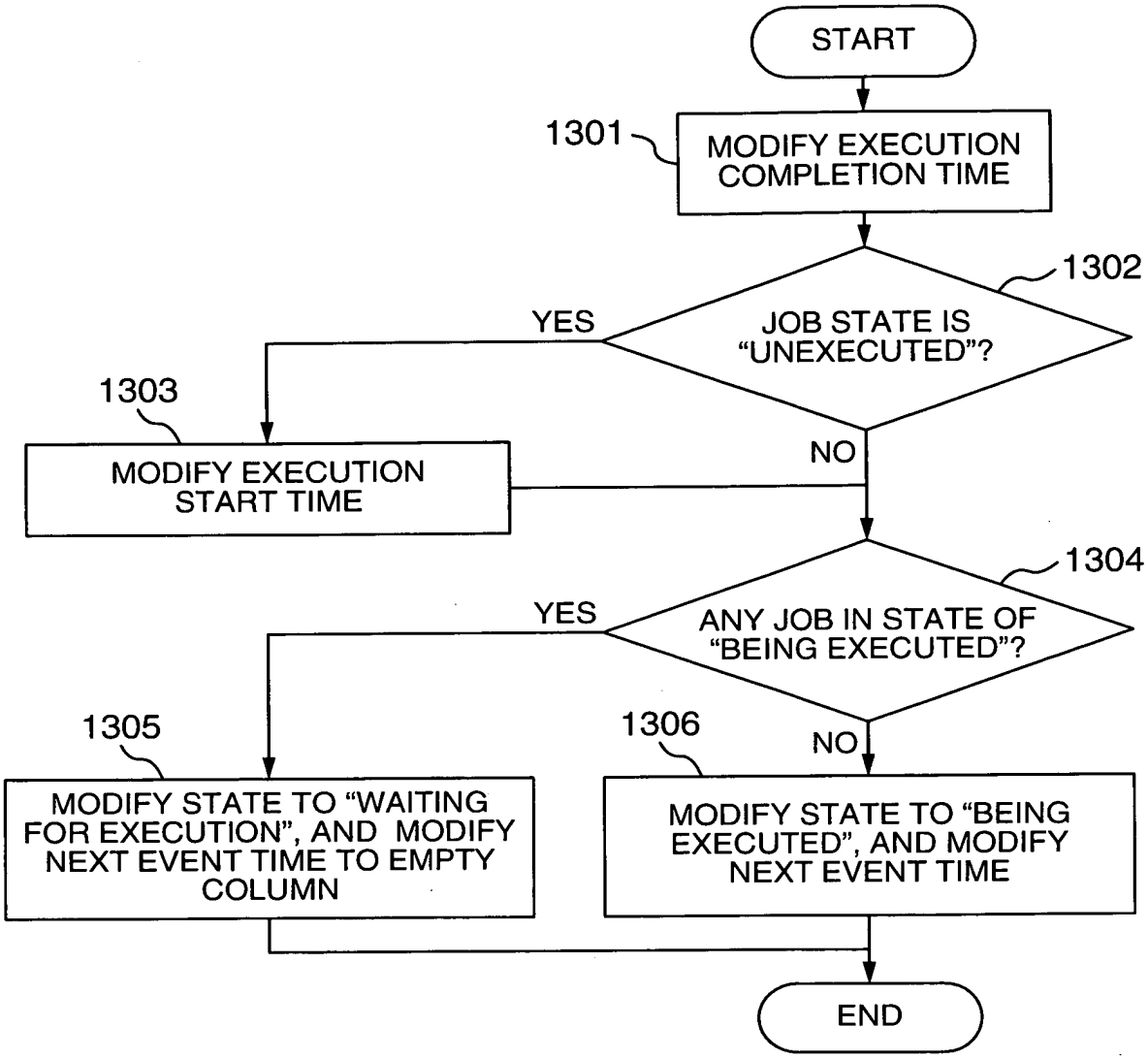


FIG. 14

1401 JOB NAME	1402 START TIME	1403 END TIME
JOB A	12 : 00	12 : 05
JOB B	12 : 05	12 : 15
JOB C	12 : 10	12 : 30